

WHAT IS CLAIMED IS:

1. An information recording medium at least comprising:

a substrate having a microscopic pattern, which is constituted by a shape of continuous substance of approximately parallel grooves formed with a convex shaped section and a concave shaped section alternately on a surface of the substrate;

a recording layer formed on the microscopic pattern; and

a light transmitting layer having thickness of 0.05 mm to 0.12 mm formed on the recording layer,

the microscopic pattern satisfies a relation of $P \leq \lambda / NA$, wherein P is a pitch of the convex shaped section or the concave shaped section, λ is wavelength of reproducing light beam and NA is a numerical aperture of an objective lens, and further the microscopic pattern is characterized in that modulated address information is formed on both side walls of the convex shaped section viewed from the light transmitting layer side as a wobble having same period and phase.

2. An information recording medium at least comprising:

a substrate having a microscopic pattern, which is constituted by a shape of continuous substance of approximately parallel grooves formed with a convex shaped section and a concave shaped section alternately on a surface of the substrate;

a recording layer formed on the microscopic pattern; and

a light transmitting layer having thickness of 0.05 mm to 0.12 mm formed on the recording layer,

the microscopic pattern satisfies a relation of $P \leq \lambda / NA$,

wherein P is a pitch of the convex shaped section or the concave shaped section, λ is a wavelength of reproducing light beam and NA is a numerical aperture of an objective lens, and further the microscopic pattern is characterized in that a modulated address information is formed on both side walls of the convex shaped section viewed from the light transmitting layer side as a wobble being parallel to each other.

3. The information recording medium in accordance with claim 1, wherein the address information is modulated by the frequency-shift keying modulation system.

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